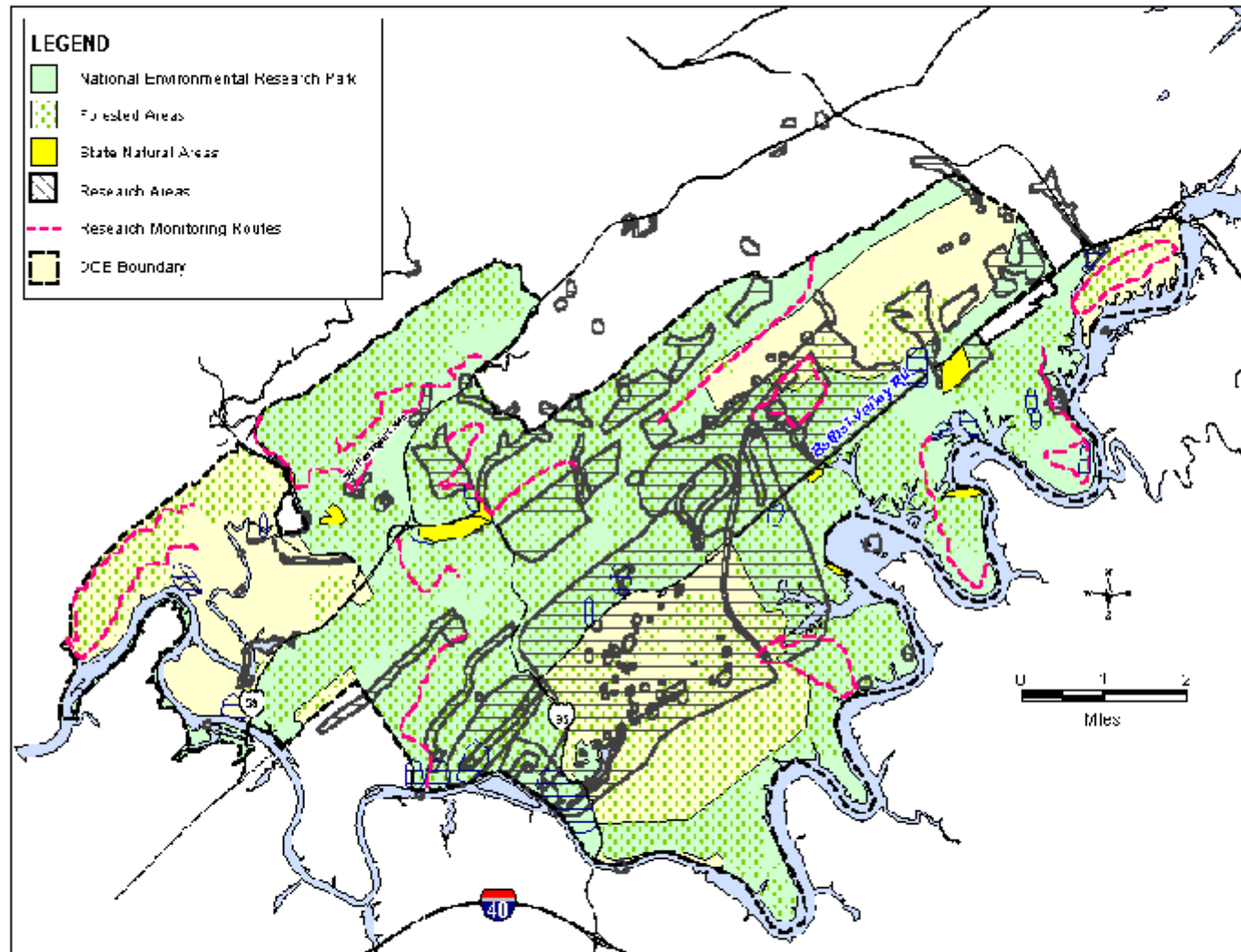


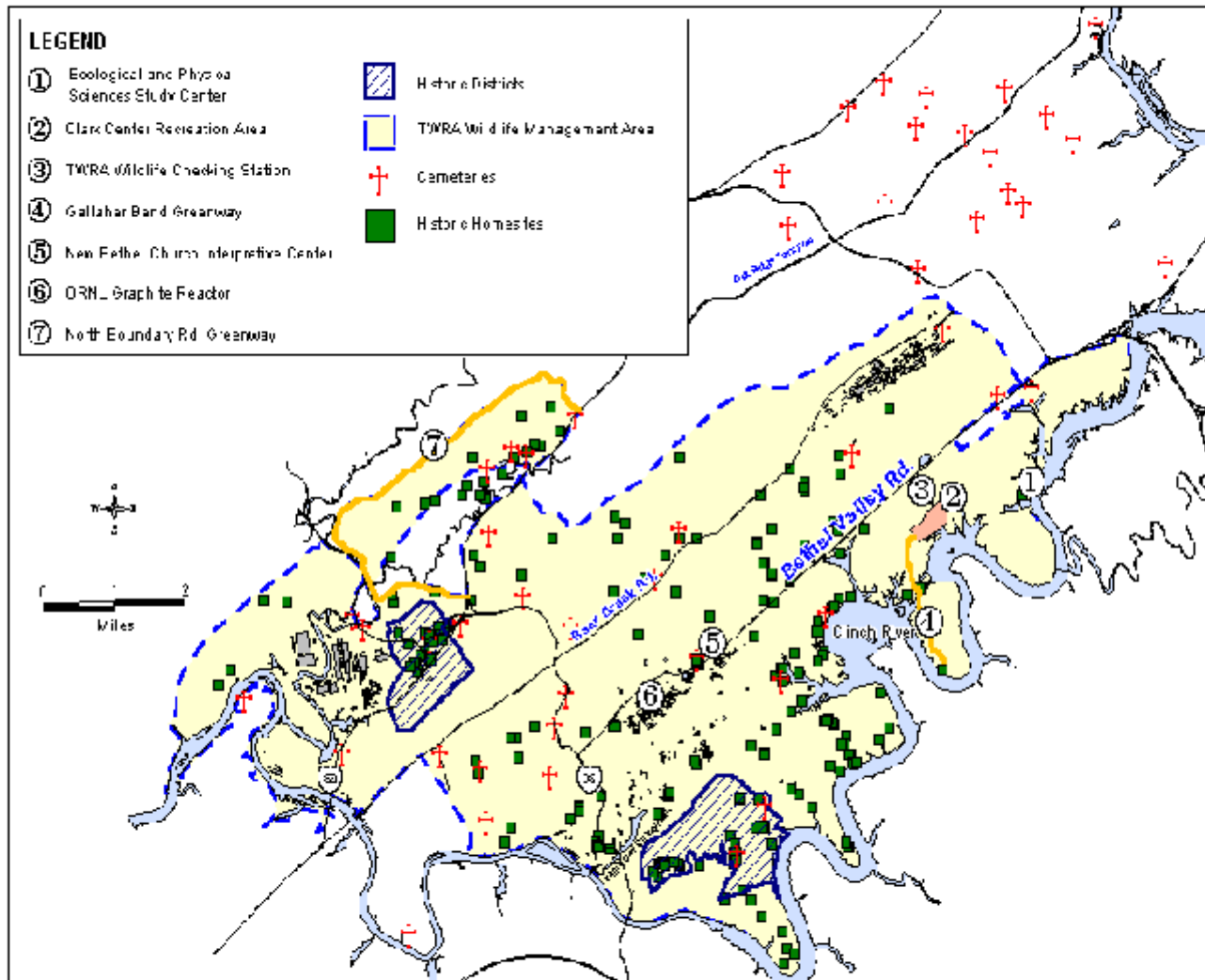
Source: LMER 1999a

FIGURE 4.1.1-2 - Original U.S. Department of Energy Land Purchase and Current Reservation Boundaries



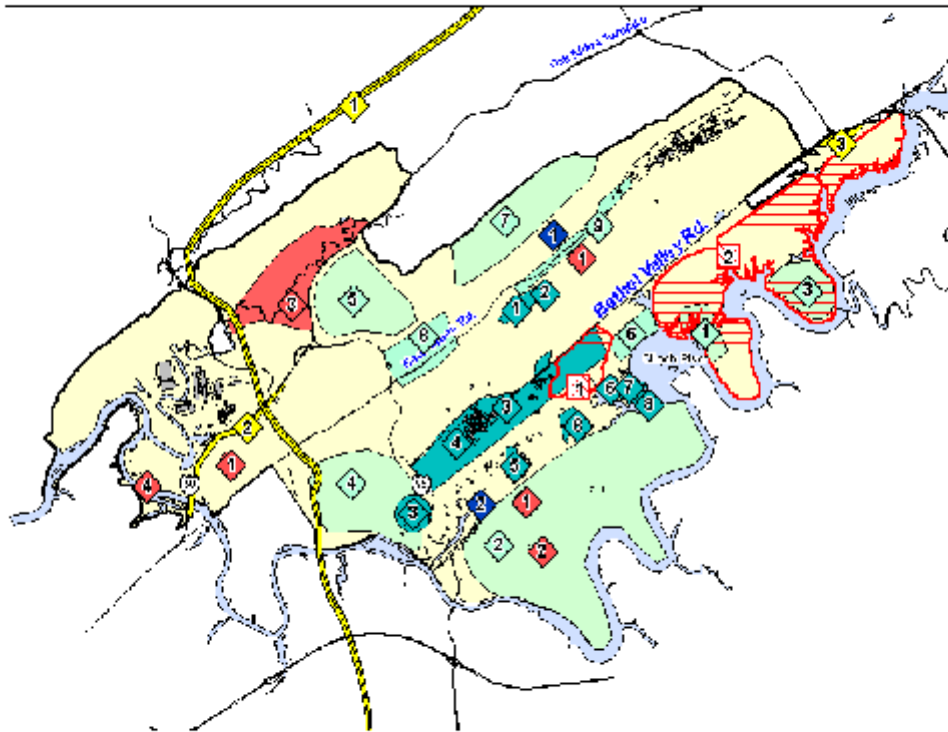
Source: LMER 1999a

FIGURE 4.1.1-3 - Research Areas and Forested Areas



Source: LMER 1999a

FIGURE 4.1.1-4 - Public, Educational, and Recreational Opportunities



LEGEND

NBW RESEARCH AREAS

- 1 Bell Research Area
- 2 Central Research Area
- 3 Eastern Research Area
- 4 Eastern Oak Ridge Area
- 5 Oak Ridge Research Area
- 6 Oak Ridge Research Area
- 7 Oak Ridge Research Area
- 8 Oak Ridge Research Area
- 9 Oak Ridge Research Area
- 10 Oak Ridge Research Area

LAND TRANSFER/LEASE AREAS

- 1 Oak Ridge Research Area
- 2 Oak Ridge Research Area
- 3 Oak Ridge Research Area
- 4 Oak Ridge Research Area

CONSENT TO GRANT USE OF AREAS

- 1 Oak Ridge Research Area
- 2 Oak Ridge Research Area

NBW RESEARCH FACILITIES

- 1 Oak Ridge Research Area
- 2 Oak Ridge Research Area
- 3 Oak Ridge Research Area
- 4 Oak Ridge Research Area
- 5 Oak Ridge Research Area
- 6 Oak Ridge Research Area
- 7 Oak Ridge Research Area
- 8 Oak Ridge Research Area
- 9 Oak Ridge Research Area
- 10 Oak Ridge Research Area

TRANSFERRING/RESEARCH AREAS

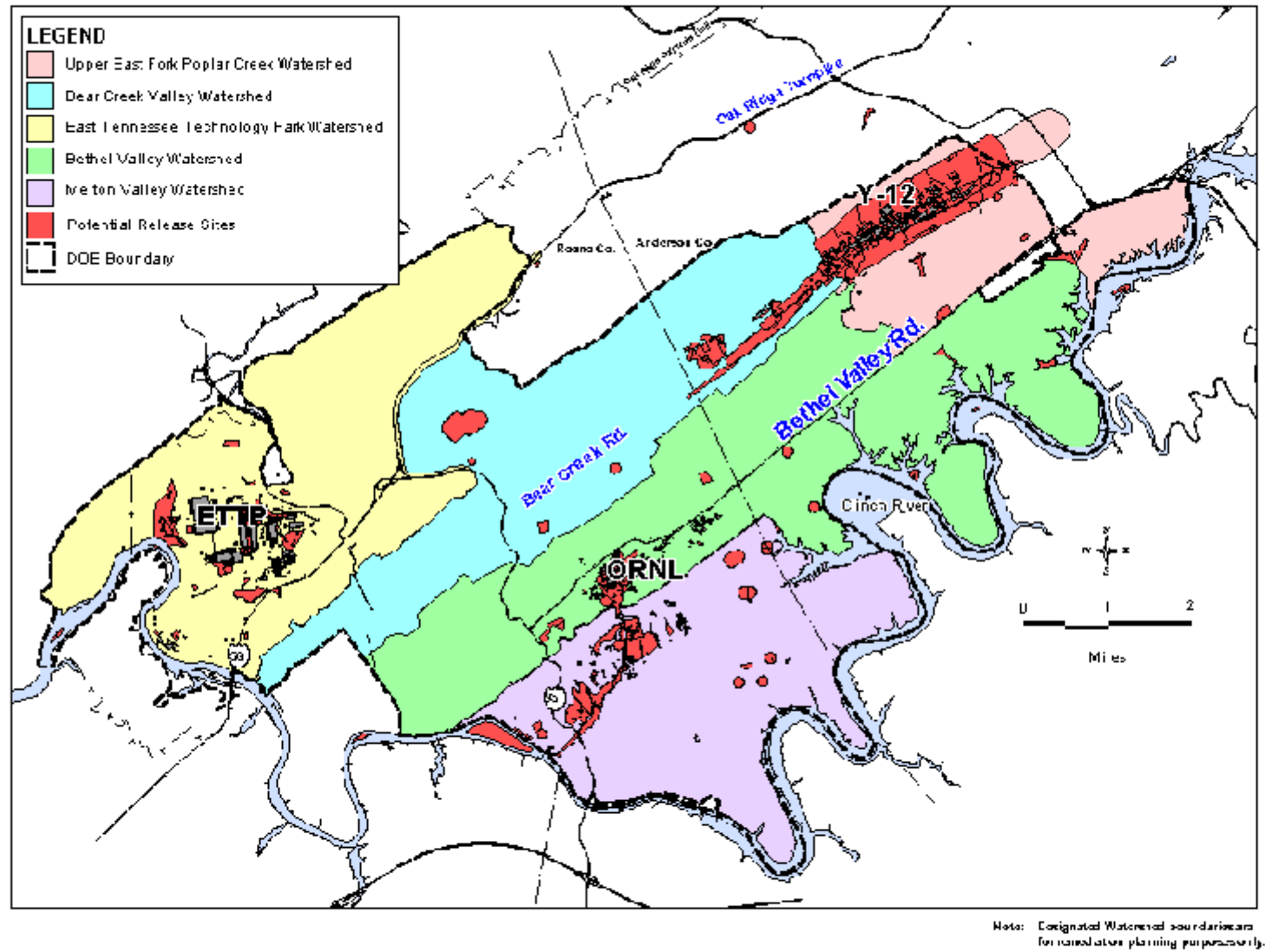
- 1 Oak Ridge Research Area
- 2 Oak Ridge Research Area
- 3 Oak Ridge Research Area

RESEARCH/RESEARCH AREAS

- 1 Oak Ridge Research Area
- 2 Oak Ridge Research Area

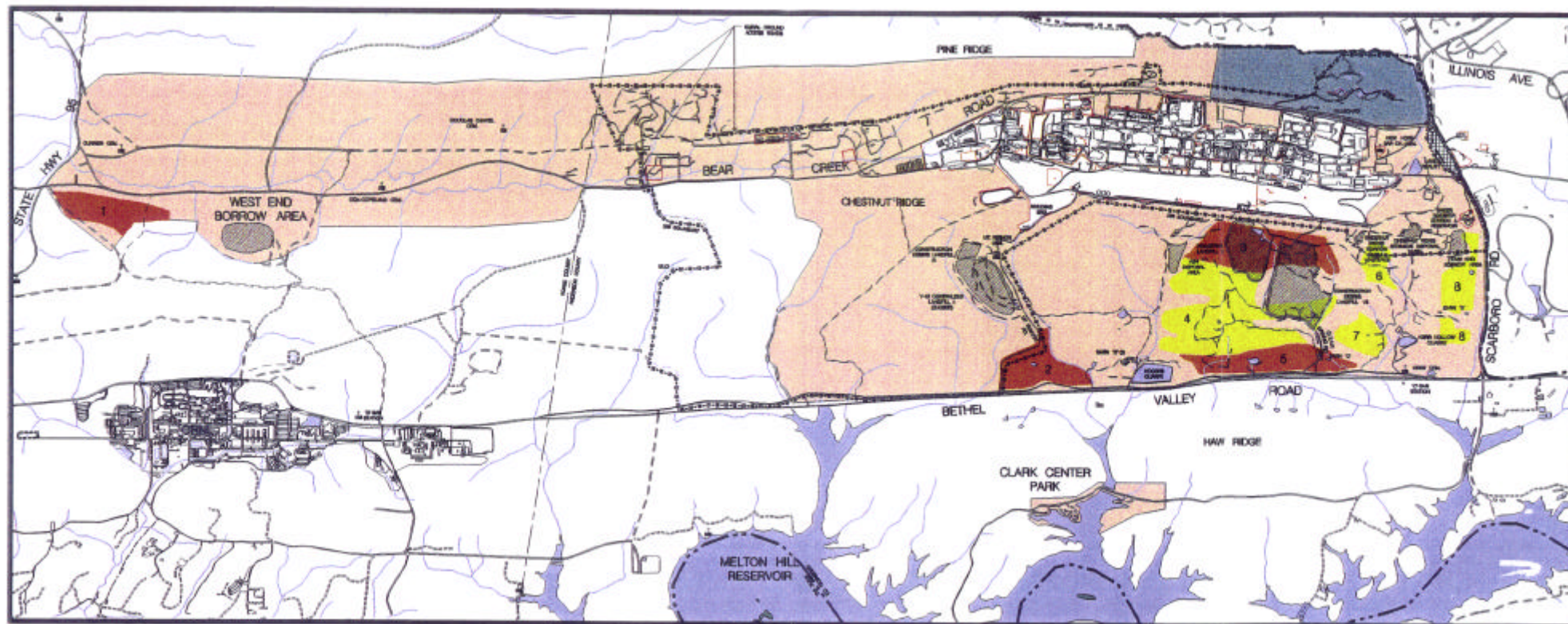
Source: LMER 1999a

FIGURE 4.1.2-1 - New Future Use at Oak Ridge Reservation



Source: LMER 1999a

FIGURE 4.1.2-2 - Watershed Areas on Oak Ridge Reservation



Legend

- Y-12 Area of Responsibility
- ETMC Area of Responsibility
- Closed Sludge Application Areas
- Active Sludge Application Areas
- Y-12 220 Boundary
- DOE ORR Boundary
- Paved Roads
- Gravel Roads

Key

1. Site 8/Closed
2. McCoy Site/Closed
3. Pine Plantation/Closed
4. High Pasture/Active
5. Rogers Site/Closed
6. Upper Hayfield #1/Active
7. Upper Hayfield #2/Active
8. Scarboro Site (two sections)/Active



Grid North

0 1000 2000

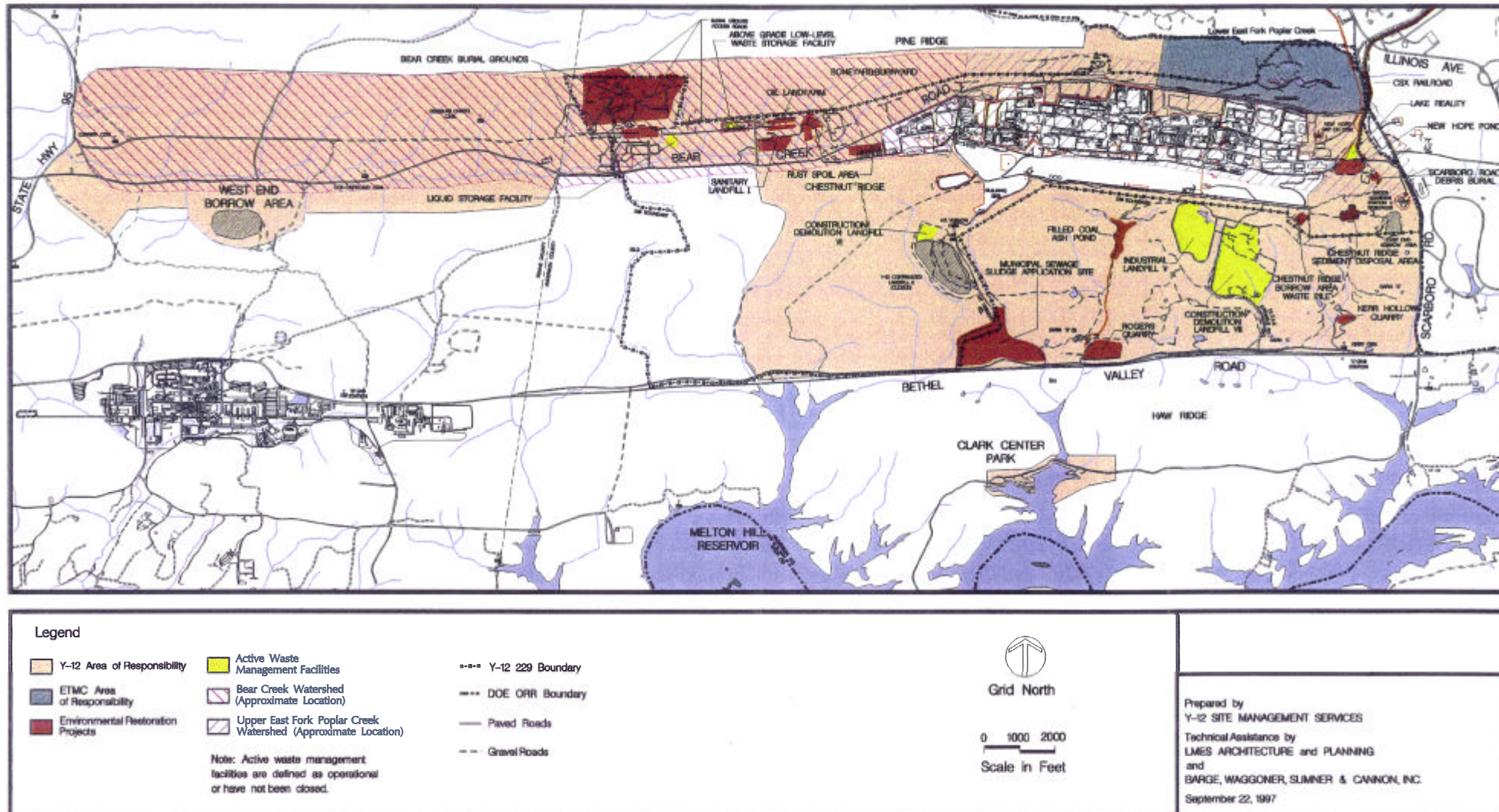
Scale in Feet

Prepared by
Y-12 SITE MANAGEMENT SERVICES
Technical Assistance by
LINES ARCHITECTURE and PLANNING
and
BARGE, WAGGONER, SUMNER & CANNON, INC.
July 10, 1997

Drawing Number: D:\aorstuff\ysludge2.dgn

Revision: 21

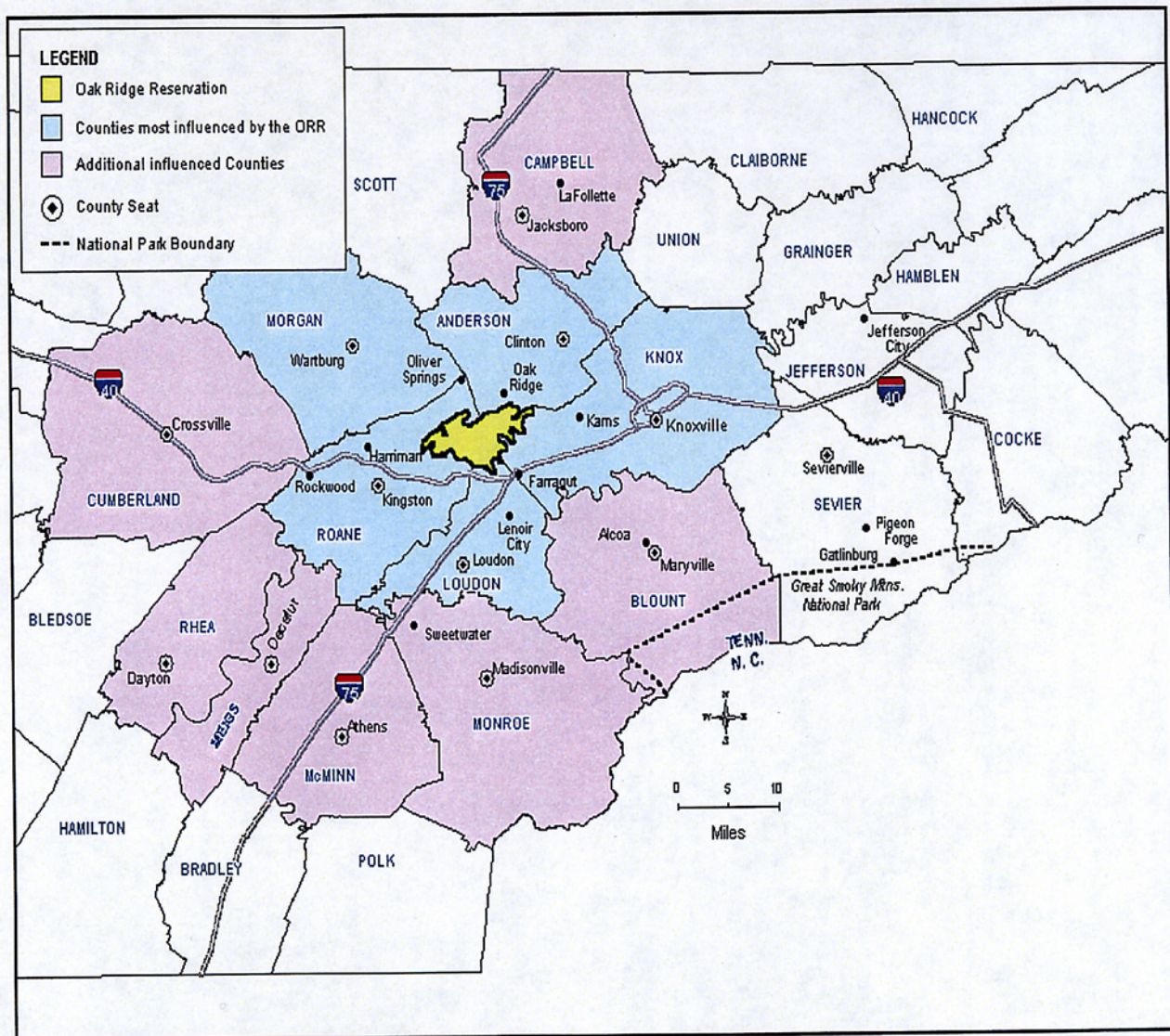
FIGURE 4.1.2-3



Drawing Number: f16264/y12_ous.dgn

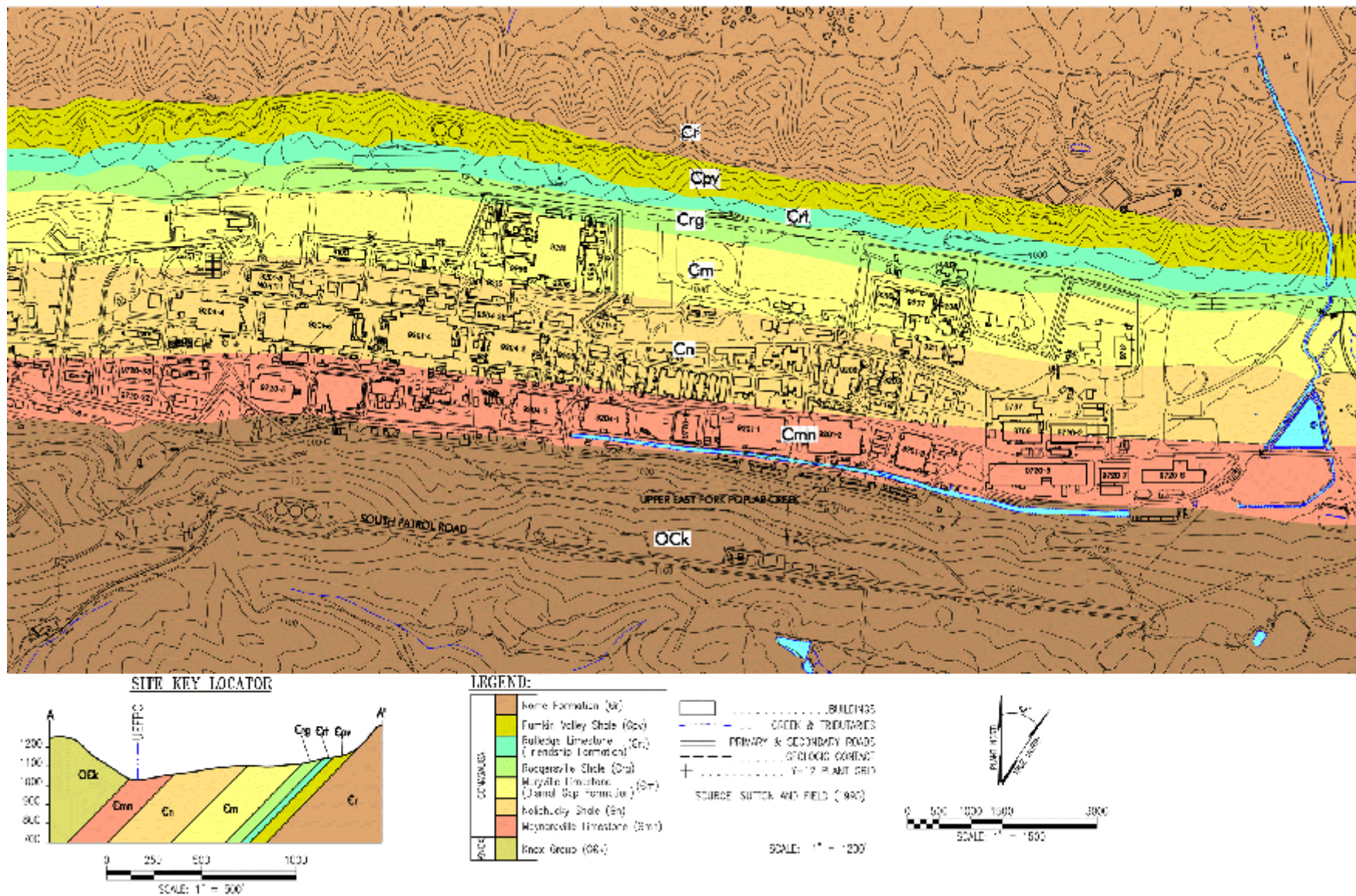
Revision: 5.0

FIGURE 4.1.2-4




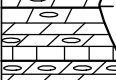

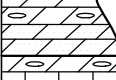

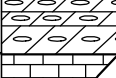

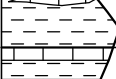
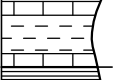
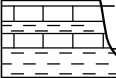
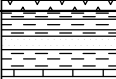
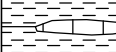
Source: LMER 1999a.

FIGURE 4.3-1.—Location of Oak Ridge Reservation and Surrounding Counties.



Source: Sutton and Field (1995)

FIGURE 4.4.2-1 - Generalized Geological Map of the Oak Ridge Reservation

			LITHOLOGY	Thickness (m)		Formation	Hydrologic Unit	
ORDOVICIAN	LOWER	Knox Group (Ock)		75–150	Oma	Mascot Dolomite	Knox Aquifer	
				90–150	Ok	Kingsport Formation		
				40–60	Olv	Longview Dolomite		
				152–213	Oc	Chepultepec Dolomite		
CAMBRIAN	UPPER			244–335	€cr	Copper Ridge Dolomite	Knox Aquifer	
				100–110	€mn	Maynardville Limestone		
	MIDDLE	Conasauga Group (€c)		150–180	€n	Nolichucky Shale	ORR Aquitard	
				98–125	€m	Maryville Limestone (Dismal Gap Formation)		
				25–34	€rg	Rogersville Shale		
				31–37	€rt	Rutledge Limestone (Friendship Formation)		
	LOWER			56–70	€pv	Pumpkin Valley Shale		
				122–183	€r	Rome Formation		

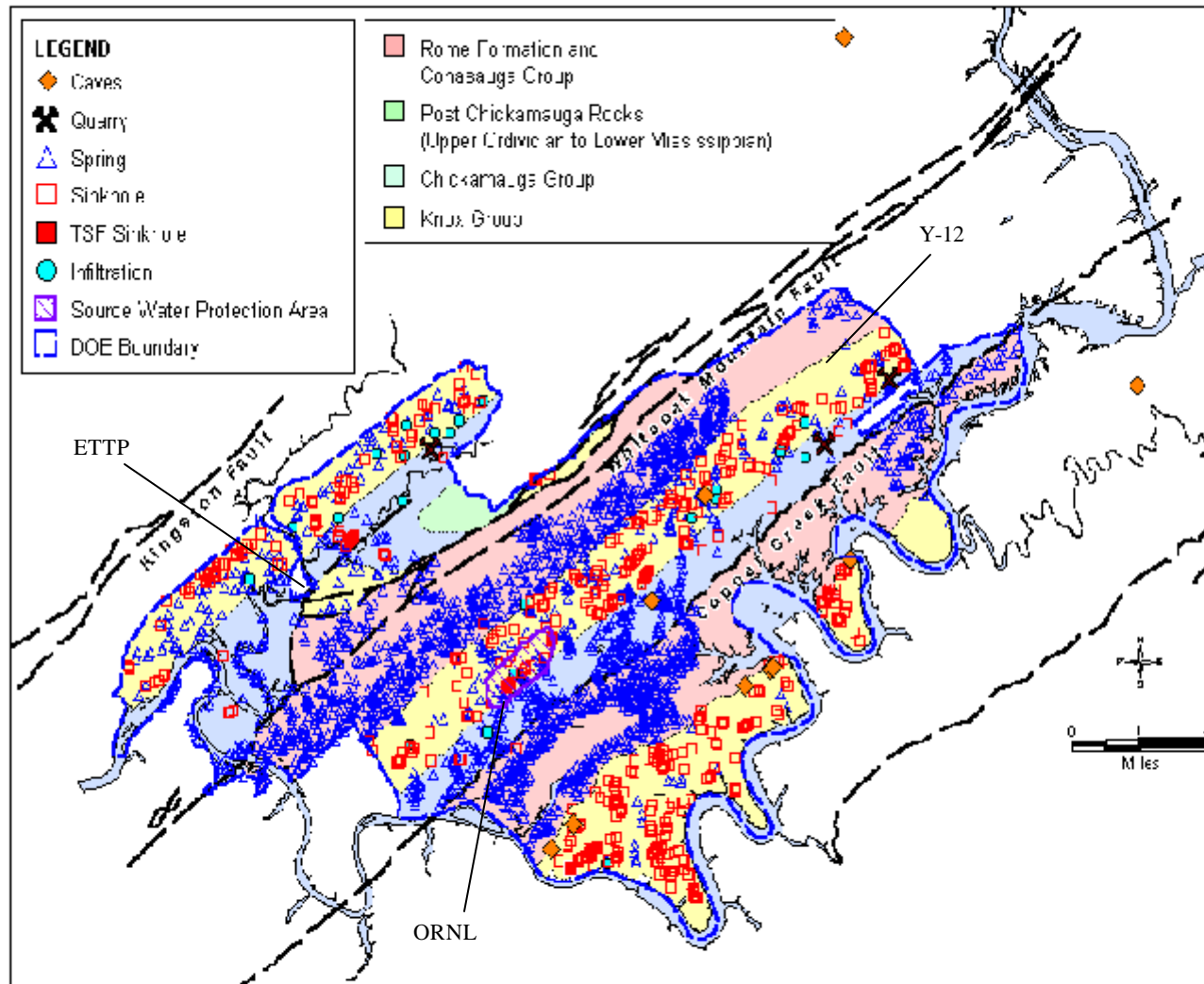
Source: Hatcher et al (1992).

Fig. C.4.2

UEFPC CA RI REPORT
OAK RIDGE, TENNESSEE

REV. D2–1/07–23–98/ SAIC FILE: 97009/DWGS/839C_5

Fig. C.4.2. Stratigraphic section in the vicinity of the UEFPC CA.



Source: LMER 1999a

FIGURE 4.4.2-3 - Geology and Karst Features

Y-12 PLANT



34°59'40"
TRUE NORTH

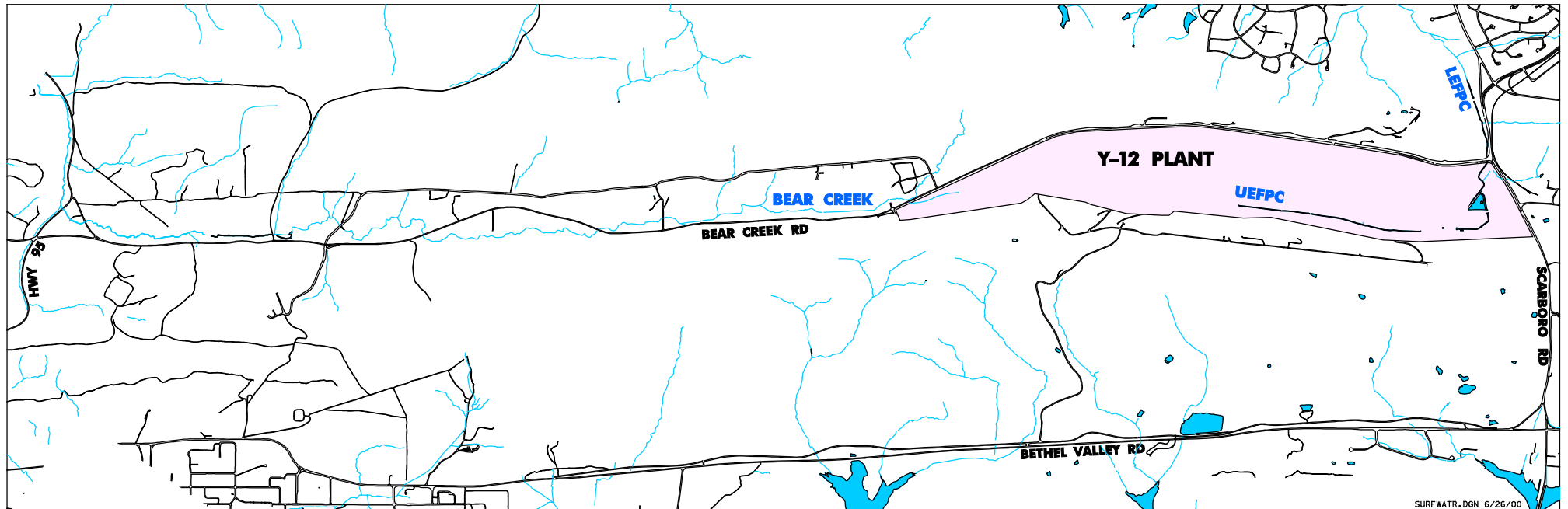
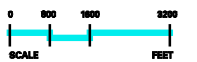
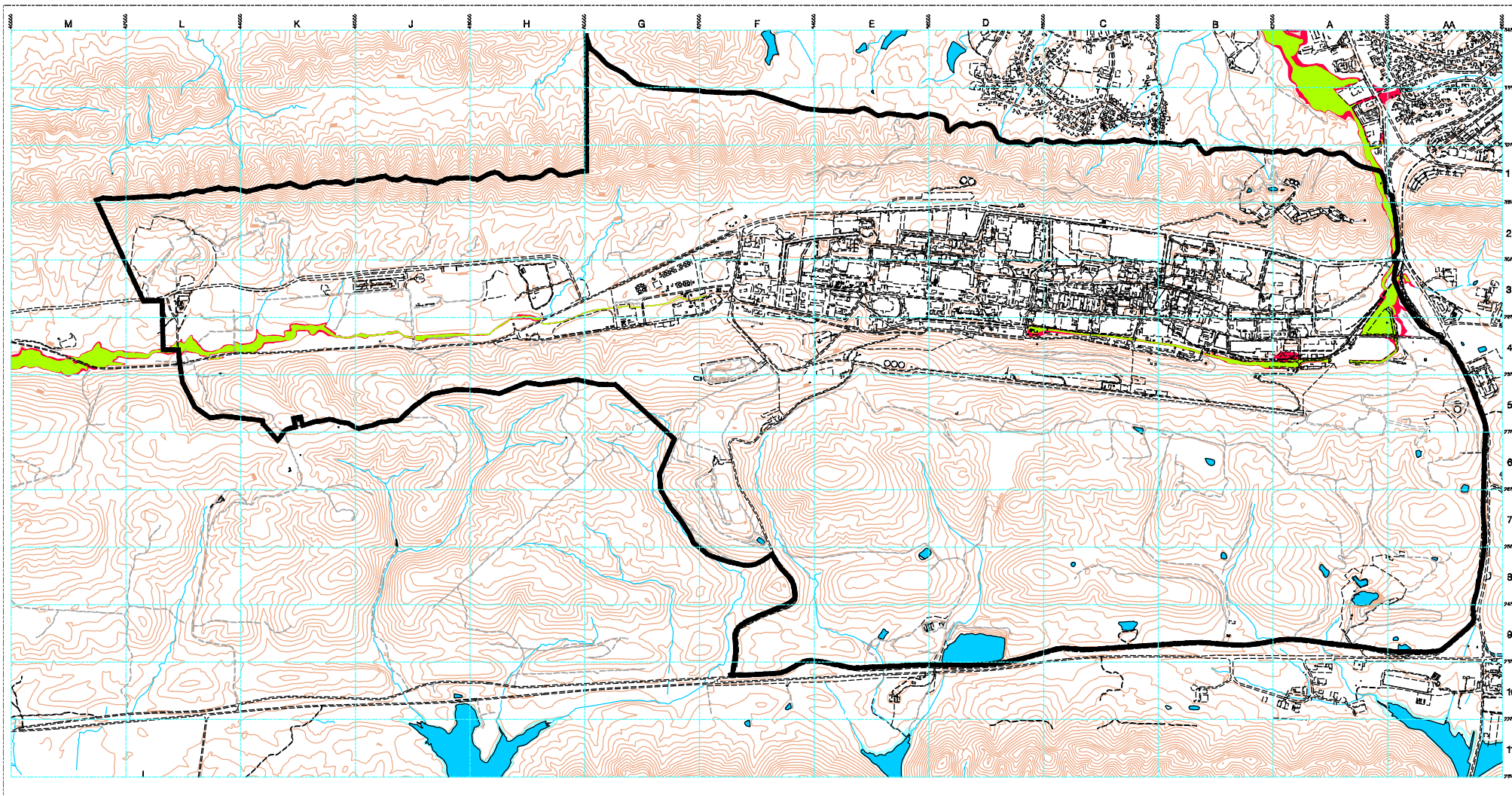


FIGURE 4.5.1-1

SURFWATR.DGN 6/26/00





Source: Tetra Tech, Inc.




-  BOUNDARY FOR Y-12 PLANT SITE-WIDE ENVIRONMENTAL IMPACT STATEMENT
-  100 YEAR FLOOD PLAIN
-  500 YEAR FLOOD PLAIN

FIGURE 4.5.1-2

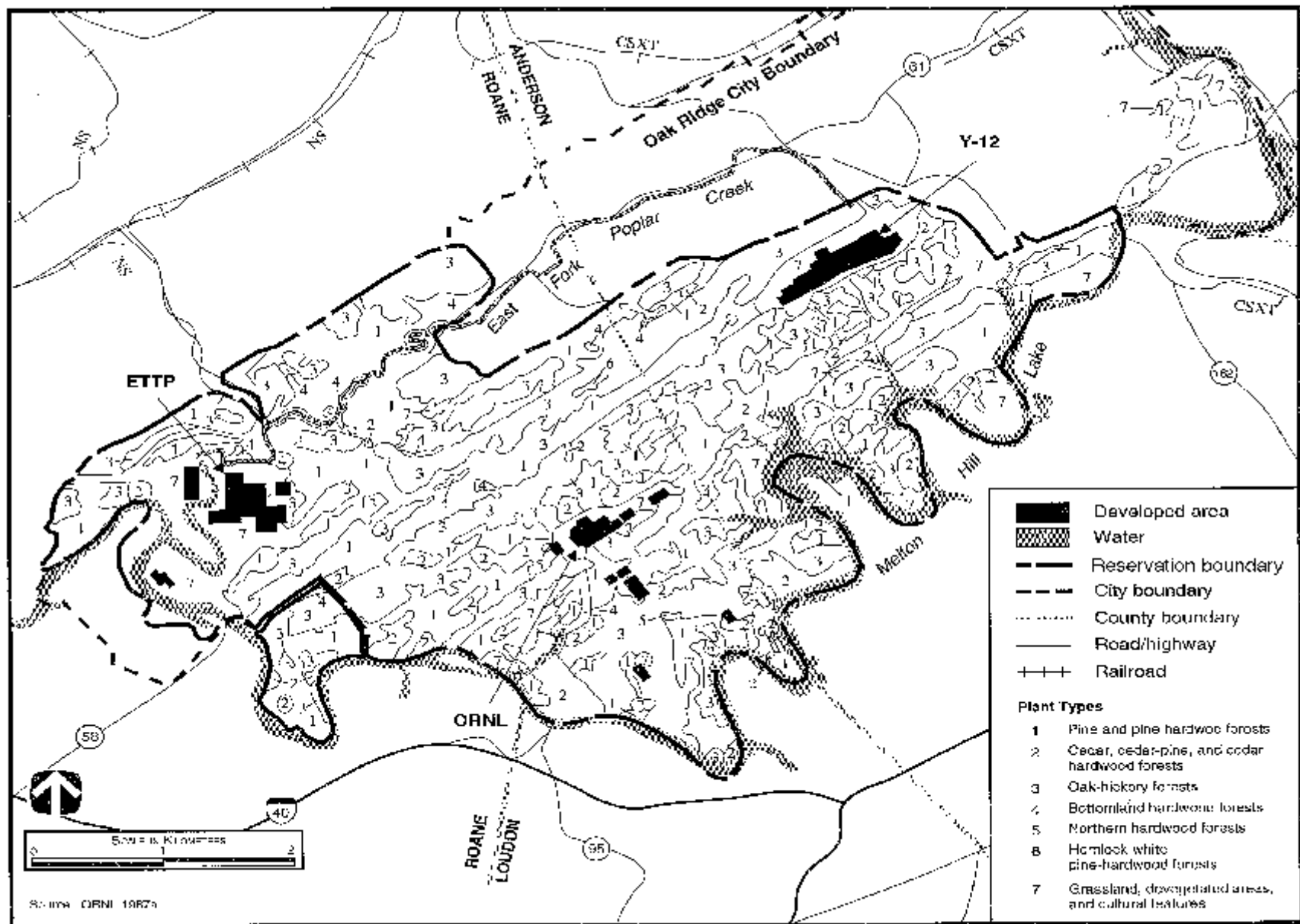
0 800 1600 3200
SCALE FEET

THE GRID AND COORDINATES AS SHOWN
REPRESENT THE Y-12 PLANT GRID SYSTEM



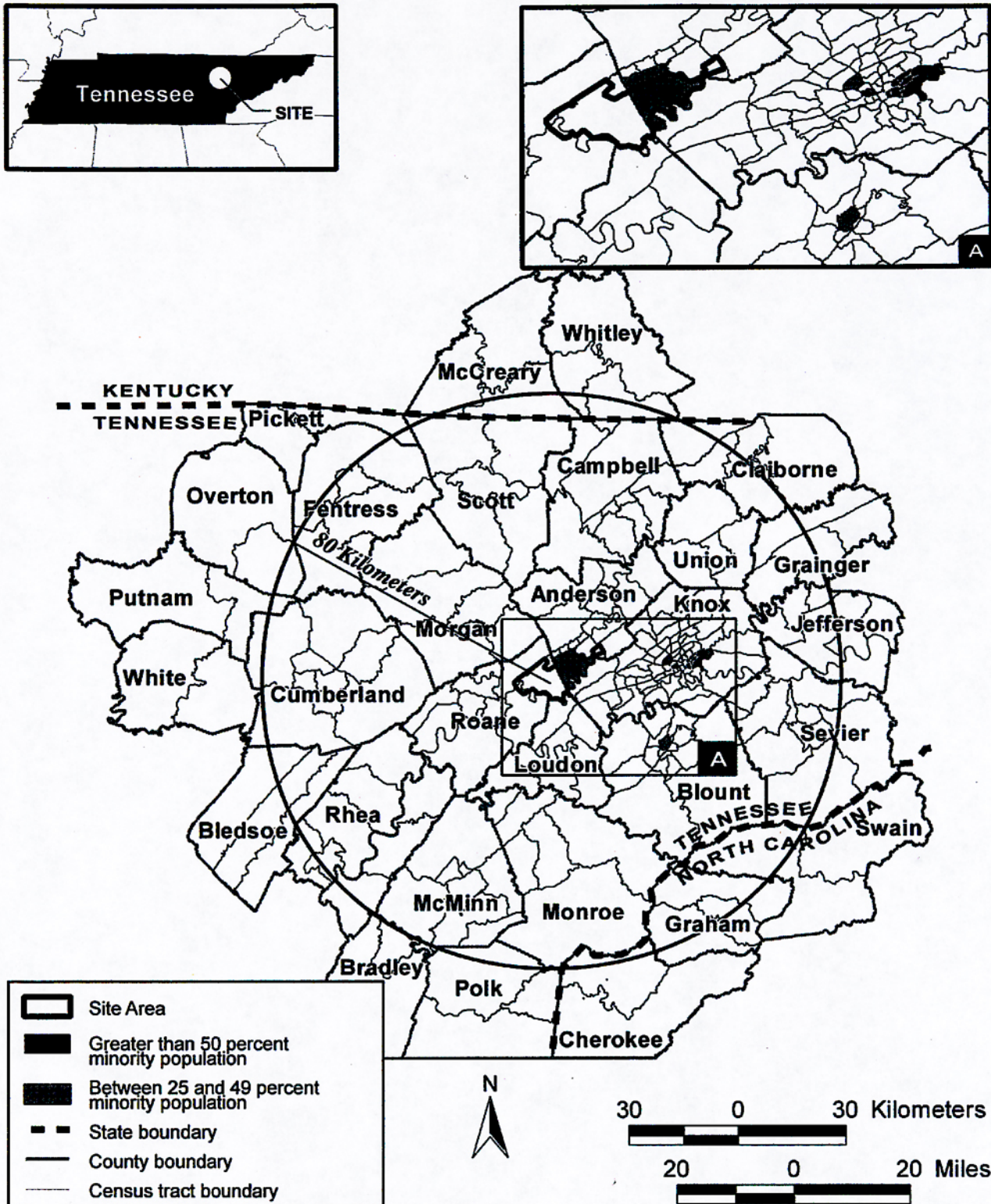
DRAWING DATE:
JULY 29, 1999

floodpln.dgn



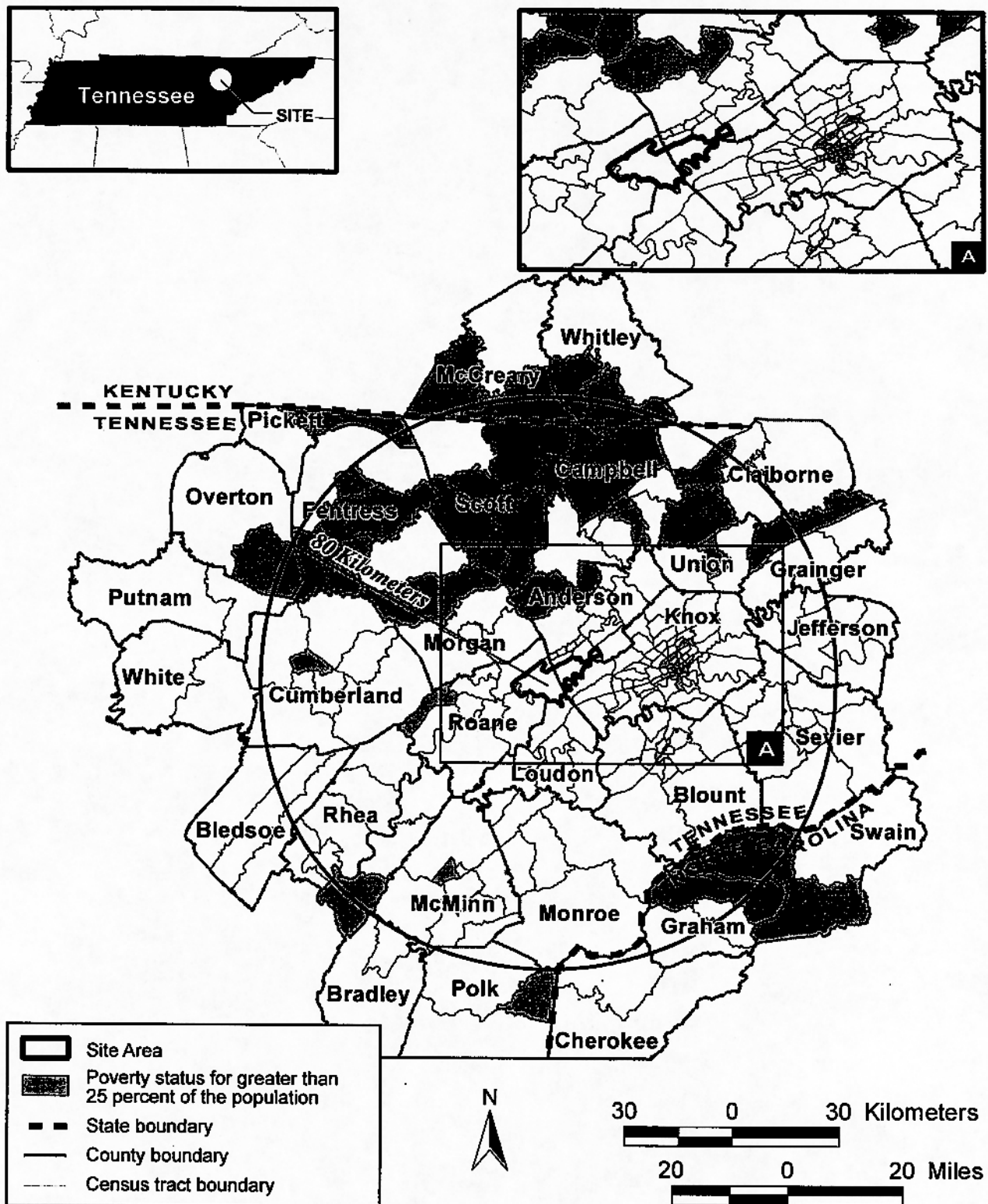
Source: DOE 1996e

FIGURE 4.6.1-1 - Distribution of Plant Communities on the Oak Ridge Reservation



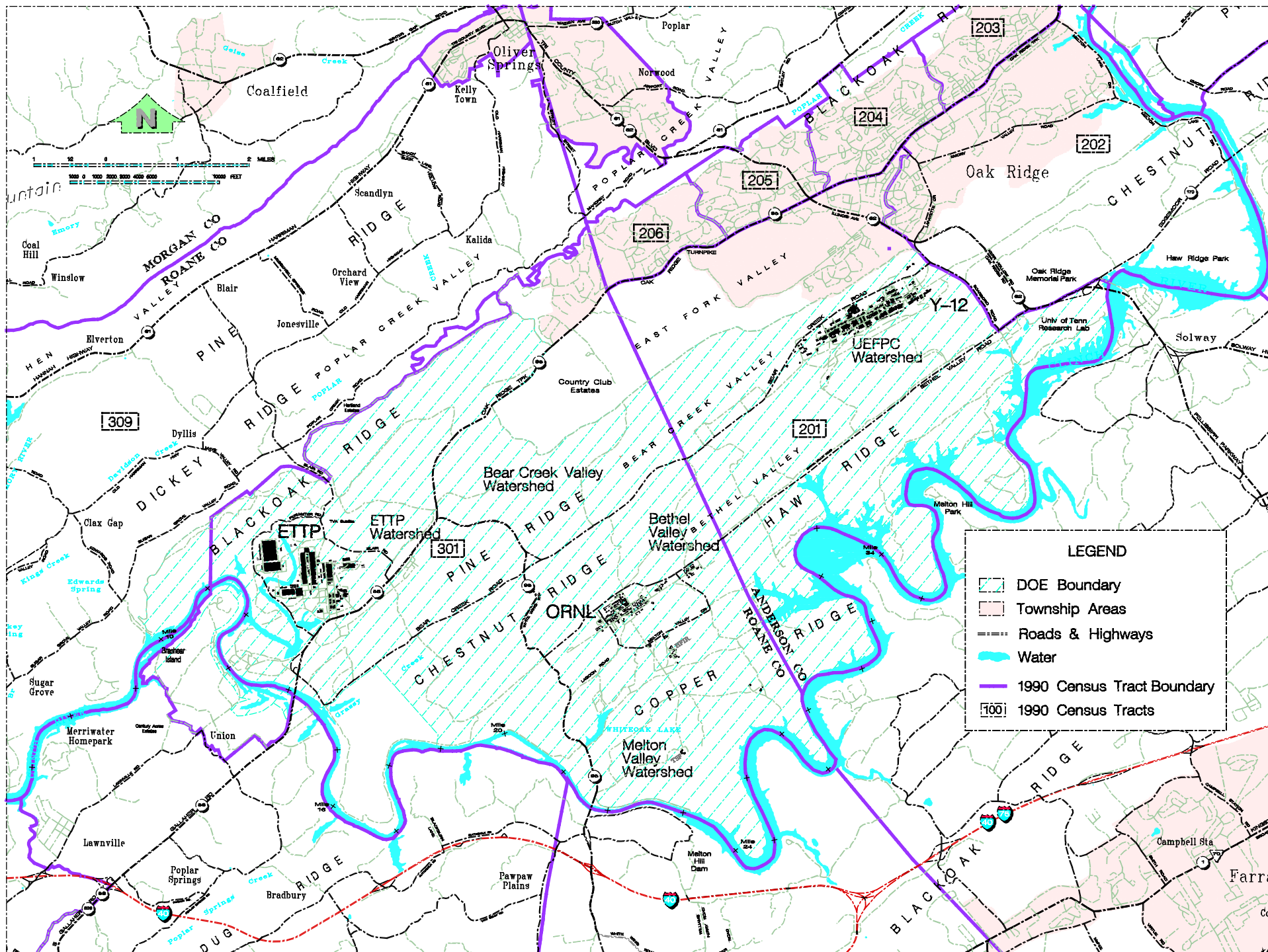
Source: Census 1992.

FIGURE 4.13-1.—Minority Population in the Region of Influence.



Source: Census 1992.

FIGURE 4.13-2.—Low Income Population in the Region of Influence.



Source: Tetra Tech, Inc./DOE 1997

FIGURE 4.13-3